

MATERIALS LICENSE

Amendment No. 09

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee

1. Mt. Sinai Hospital
2. 500 Blue Hills Avenue
Hartford, Connecticut 06112

In accordance with letter dated
June 1, 1993,
3. License number 06-14734-01 is amended in
its entirety to read as follows:

4. Expiration date January 31, 1994

5. Docket or
Reference No 030-13632

6. Byproduct, source, and/or
special nuclear material

7. Chemical and/or physical
form

8. Maximum amount that licensee
may possess at any one time
under this license

- A. Any byproduct material
identified in 10 CFR
35.100
- B. Any byproduct material
identified in 10 CFR
35.200
- C. Any byproduct material
identified in 10 CFR
35.300
- D. Any byproduct material
identified in 10 CFR
35.400
- E. Any byproduct material
identified in 10 CFR
31.11

- A. Any radiopharmaceutical
identified in 10 CFR
35.100
- B. Any radiopharmaceutical
identified in 10 CFR
35.200 except generators
- C. Any radiopharmaceutical
identified in 10 CFR
35.300
- D. Any brachytherapy source
identified in 10 CFR
35.400
- E. Prepackaged Kits

- A. As needed
- B. As needed
- C. As needed
- D. 500 millicuries
- E. As needed

9. Authorized use

- A. Any uptake, dilution and excretion procedure approved in 10 CFR 35.100.
- B. Any imaging and localization procedure approved in 10 CFR 35.200.
- C. Any radiopharmaceutical therapy procedure approved in 10 CFR 35.300.
- D. Any brachytherapy procedure approved in 10 CFR 35.400.
- E. In vitro studies.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities at
500 Blue Hills Avenue, Hartford, Connecticut.
11. The Radiation Safety Officer for this license is Howard R. Shapiro, M.D.

OFFICIAL RECORD COPY

ML 10

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number 06-14734-01

Docket or Reference number
030-13632

Amendment No. 09

(Continued)

12. Authorized Users:

Material and Use:

Harold Moskowitz, M.D.

35.100; 35.200; 35.300; 35.400
In vitro studies

Richard P. Spencer, M.D.

35.100; 35.200; 35.300; 35.400
In vitro studies

Howard R. Shapiro, M.D.

35.100; 35.200; 35.300
In vitro studies

Patricia Luhan, Ph.D.

In vitro studies

Mozafareddin Karimeddini, M.D.

35.100; 35.200; 35.300
In vitro studies

13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material so that at no time is a quantity of radioactive material possessed in excess of a quantity which requires decommissioning funding in accordance with 10 CFR 30.35(d), 10 CFR 40.36(b), or 10 CFR 70.25(d).

14. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated August 31, 1988
- B. Letter dated November 2, 1988
- C. Letter dated December 1, 1988
- D. Letter dated December 9, 1988
- E. Letter dated February 11, 1993
- F. Letter dated April 7, 1993

For the U.S. Nuclear Regulatory Commission

Original Signed By:
Michelle Beardsley

Date SEP 24 1993

By

Nuclear Materials Safety Branch
Region I
King of Prussia, Pennsylvania 19406

SEP 24 1993

License No. 06-14734-01
Docket No. 030-13632
Control No. 118217

Mt. Sinai Hospital
ATTN: Paul Stillman
Senior Vice President
500 Blue Hills Avenue
Hartford, Connecticut 06112

Dear Mr. Stillman:

Please find enclosed an amendment to your NRC Material License.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the Region I Material Licensing Section, (215) 337-5093, so that we can provide appropriate corrections and answers.

Please be advised that you must conduct your program involving licensed radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, please note the items in the enclosed, "Requirements for Materials Licensees."

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, the NRC expects licensees to pay meticulous attention to detail and to achieve the high standard of compliance which the NRC expects of its licensees.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in prompt and vigorous enforcement action against you. This could include issuance of a notice of violation, or in case of serious violations, an imposition of a civil penalty or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

Mt. Sinai Hospital

-2-

We wish you success in operating a safe and effective licensed program.

Sincerely,

Original Signed By:
Michelle Beardsley

Michelle R. Beardsley
Nuclear Materials Safety Branch
Division of Radiation Safety
and Safeguards

Enclosures:

1. Amendment No. 09
2. Requirements for Materials Licensees

DRSS:RI *mb*
Beardsley/srb

9/ *1*93



mount sinai hospital

June 1, 1993

030-13632

License No. 06-14734-01

Docket No. 030-13632

Control No. 117804

Ms. Michelle R. Beardsley
Nuclear Materials Safety Branch
Division of Radiation Safety and Safeguards
U. S. Nuclear Regulatory Commission
Region I, 475 Allendale Road
King of Prussia, PA 19406-1415

Dear Ms. Beardsley:

We have reviewed the NRC Material License amendment and offer the following corrections:

1. Please add In vitro studies to the uses authorized for Dr. Karimeddini.
2. Please delete 719 Cottage Grove Road, Bloomfield, Connecticut as a location of use.

In addition, please direct future correspondence to me. Thank you.

Sincerely,

Paul Stillman
Senior Vice President

PS/pg

cc: Howard Shapiro, M.D.
Gary Marolt, Ph.D.

100	July 13
139426	
8460	
R	
Amo	
7/18/93	
5	

6/29/94
Refunder
8460
Duplicate
Request
of
#118217
BA

Combined as Needed to 118217

OFFICIAL RECORD COPY ML 10

VOIDED 8/18/93 118327

JUL 02 1993



SAINT FRANCIS
Hospital and Medical Center

INTERNAL CORRESPONDENCE

DATE: November 3, 1992

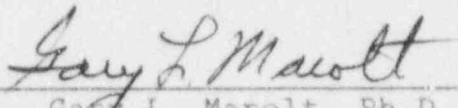
TO: Dr. Howard Shapiro, M.D., Radiation Safety Officer

FROM: Gary L. Marolt, Ph.D., Radiation Safety Consultant

RE: Survey of In-Vitro Facility on Cottage Grove Ave.

I have performed a decommissioning survey of the in-vitro laboratory of Mount Sinai Hospital at 719 Cottage Grove Road. All radioactive material except for a small amount of liquid waste had been removed. This laboratory had been used for hospital RIA procedures using standard commercial RIA kits. The area was surveyed with a thin window Geiger counter and a NaI crystal probe sensitive to I-125 radiation. No reading significantly above background were measured. Exposure rates in the area were background ($< .02$ mR/Hr).

The laboratory may be removed from the NRC license at your convenience.



Gary L. Marolt, Ph.D.

License # 06-14734-01

Docket # 030-13632

719 Cottage Grove Rd

Instruments

I-125 - PPS / MS-2 eberline

sensitivity (25Bg) \approx .05 mCi

36 cpm. BG.

exposure rate

eberline S20 / HR260

BG. $< .02$ mCi/hr

1415		
38 cpm	47 cpm	49 cpm

Store room

37 cpm	35 cpm	38 cpm
46 cpm	39 cpm	1415

all areas - exposure rate
 $< .02$ mCi/hr.

License # 06-14734-01

Doct # 030-13632

No significant radioactivity

found

J. L. Marvelt
11/3/92



mount sinai hospital

030-13632
06-14734-01

June 1, 1993

License No. 06-14734-01
Docket No. 030-13632
Control No. 117804

Ms. Michelle R. Beardsley
Nuclear Materials Safety Branch
Division of Radiation Safety and Safeguards
U. S. Nuclear Regulatory Commission
Region I, 475 Allendale Road
King of Prussia, PA 19406-1415

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1. Please add In vitro studies to the uses authorized for Dr. Karimeddini.
2. Please delete 719 Cottage Grove Road, Bloomfield, Connecticut as a location of use.

In addition, please direct future correspondence to me. Thank you.

Sincerely,

Paul Stillman
Senior Vice President

PS/pg

cc: Howard Shapiro, M.D.
Gary Marolt, Ph.D.

Log	July 6	7/19/94
Receptor		Refunded
Check No.	141170	
Amount	5460	5460 (118217)
Fee Category	7c	
Type of Fee	AMO	
Date Check Rec'd	8/3/93	Dupe (118327)
Date Completed		DTA 4/1/93
By:		Request

OFFICIAL RECORD COPY ML 10

500 Blue Hills Avenue / Hartford, Connecticut 06112 / (203) 242-4431

118217

JUN 04 1993

MATERIALS LICENSE

Amendment No. 08

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee

1. Mt. Sinai Hospital

2. 500 Blue Hills Avenue
Hartford, Connecticut 06112In accordance with application dated
February 11, 1993,3. License number 06-14734-01 is amended in
its entirety to read as follows:

4. Expiration date January 31, 1994

5. Docket or
Reference No. 030-136326. Byproduct, source, and/or
special nuclear material7. Chemical and/or physical
form8. Maximum amount that licensee
may possess at any one time
under this licenseA. Any byproduct material
identified in 10 CFR
35.100A. Any radiopharmaceutical
identified in 10 CFR
35.100

A. As needed

B. Any byproduct material
identified in 10 CFR
35.200B. Any radiopharmaceutical
identified in 10 CFR
35.200 except generators

B. As needed

C. Any byproduct material
identified in 10 CFR
35.300C. Any radiopharmaceutical
identified in 10 CFR
35.300

C. As needed

D. Any byproduct material
identified in 10 CFR
35.400D. Any brachytherapy source
identified in 10 CFR
35.400

D. 500 millicuries

E. Any byproduct material
identified in 10 CFR 31.11

E. Prepackaged Kits

E. As needed

9. Authorized use

- A. Any uptake, dilution and excretion procedure approved in 10 CFR 35.100.
B. Any imaging and localization procedure approved in 10 CFR 35.200.
C. Any radiopharmaceutical therapy procedure approved in 10 CFR 35.300.
D. Any brachytherapy procedure approved in 10 CFR 35.400.
E. In vitro studies.

CONDITIONS

10. Location of use: 500 Blue Hills Avenue, Hartford, Connecticut and 719 Cottage Grove Road, Bloomfield, Connecticut
11. Radiation Safety Officer: Howard R. Shapiro, M.D.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

06-14734-01

Docket or Reference number

030-13632

Amendment No. 08

(Continued)

12. Authorized Users:

Material and Use:

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35.100; 35.200; 35.300; 35.400
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In vitro studies

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- A. Application dated August 31, 1988
- B. Letter dated November 2, 1988
- C. Letter dated December 7, 1988
- D. Letter dated December 9, 1988
- E. Letter dated February 11, 1993
- F. Letter dated April 7, 1993

For the U.S. Nuclear Regulatory Commission

Original Signed By:

By Michelle Beardsley

Nuclear Materials Safety Branch
Region I

King of Prussia, Pennsylvania 19406

MAY 10 1993

Date _____

JUL 23 1993

Mt. Sinai Hospital
ATTN: Paul Stillman
500 Blue Hills Avenue
Hartford, Connecticut 06112

Gentlemen:

This refers to your letter dated June 1, 1993, for an amendment to Materials License 06-14734-07.

Your request is subject to an amendment fee of \$460 as specified in fee Category 7C of \$170.31, 10 CFR 170, which went into effect August 24, 1992. A copy of the July 23, 1992, Federal Register notice regarding the revisions to the Commission's license and annual fee regulations (10 CFR 170 and 10 CFR 171) is enclosed.

Payment of the \$460 fee should be made to the U.S. Nuclear Regulatory Commission and mailed to the following address:

U.S. Nuclear Regulatory Commission
ATTN: Brenda Brown
License Fee and Debt Collection Branch, OC/DAF
Mail Stop MNBB 4503
Washington, D.C. 20555

Your application will be processed by the Region I Licensing staff located at 475 Allendale Road, King of Prussia, Pennsylvania. The fee, however, is required prior to issuance of the amendment. When submitting the fee, please refer to CONTROL NUMBER 118217.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application and will void this action.

Sincerely,

Signed by Brenda E. Brown

Brenda Brown
License Fee and Debt Collection Branch
Division of Accounting and Finance
Office of the Controller

Enclosure:

July 23, 1992, Federal Register notice

cc: Region I

DISTRIBUTION

Pending Fee File

OC/DAF R/F

LFDCB R/F (2)

OFFICE: OC/LFDCB
NAME: Brown
DATE: 7/19/93

OC/LFDCB
SKimberley
7/21/93

CDM/A: Mt. Si Hosp

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

PROGRAM CODE: 02120
STATUS CODE: 0
FEE CATEGORY: 7C
EXP. DATE: 19940131
FEE COMMENTS: CODE 23
DECOM FIN ASSUR REQD: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: MT. SINAI HOSPITAL
RECEIVED DATE: 930702
DOCKET NO: 3013632
CONTROL NO.: 118327
LICENSE NO.: 06-14734-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: \$460.00
CHECK NO.: #139426

3. COMMENTS

SIGNED
DATE

R. J. Brown
7/15/93

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1-11)

1. FEE CATEGORY AND AMOUNT: 7C \$460

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT
RENEWAL
LICENSE

3. OTHER

SIGNED
DATE

[Signature]
7/20/94

VOID
Combine as Needed to 118217

6/29/94
Refunded
\$460
Duplicate request received on

7/20/94

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 02120
STATUS CODE: 0
FEE CATEGORY: 7C
EXP. DATE: 19940131
FEE COMMENTS: CODE 23
DECOM FIN ASSUR REQD: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: MT. SINAI HOSPITAL
RECEIVED DATE: 930604
DOCKET NO: 3013632
CONTROL NO.: 118217
LICENSE NO.: 06-14734-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: ~~70~~
CHECK NO.: ~~70~~

3. COMMENTS

SIGNED
DATE

Rebecca J. Brown
6/2/93

8. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED *1*)

1. FEE CATEGORY AND AMOUNT: *7C* *B460*

2. CORRECT FEE PAID. ☒ APPLICATION MAY BE PROCESSED FOR:

AMENDMENT ☒
RENEWAL ☐
LICENSE ☐

3. OTHER

SIGNED
DATE

[Signature]
5/2/93

DE:11W 12 12 12

VOID SHEET

TO: License Fee Management Branch
FROM: I
SUBJECT: VOIDED APPLICATION

*July 13 I ✓
7C*

Control Number: 118327
Applicant: Mt. Sinai Hospital
Date Voided: 8-18-93
Reason for Void: Amendment request is a duplicate of
an already controlled action under mail control
118217. RI will combine as needed to 118217.
Before review. 06-14734-01

Rebecca J. Brown 9/9/93
Signature Date

Attachment:
Official Record Copy of
Voided Action

FOR LFMB USE ONLY

Final Review of VOID Completed:

☒ Refund Authorized and processed

☐ No Refund Due

☐ Fee Exempt or Fee Not Required

Comments: Prior to review

Log completed

Processed by: BA 7/1/94

1993 OCT - 1 AM 11: 11

OFFICIAL RECORD COPY ML 10

104

* DIVISION OF ACCOUNTING AND FINANCE
REQUEST FOR REFUND TO EMPLOYEE/VENDOR

THE EMPLOYEE/VENDOR IDENTIFIED BELOW HAS OVERPAID THE NUCLEAR REGULATORY COMMISSION FOR GOODS OR SERVICES PROVIDED AND IS DUE A REFUND.

EMPLOYEE/VENDOR/PAYEE CODE: * _____

NAME: Mt. Sinai Hospital

ADDRESS: ATTN: Paul Stillman

ADDRESS: 500 Bruce Hills Ave.

CITY: Hartford STATE: CT ZIP: 06112

TRANS CODE: PX TRANS TYPE: _____ FUND: _____

JOB CODE: _____ (FOR FE TRANS TYPE) REFUND AMOUNT: \$460.00

COMMENTS: Lic 06-14734-01 DUPL REQ

DTD 6/1/93 Rfnd
(limit comments to 40 characters, including spaces)

PREPARED BY: Burke B... DATE: 7/19/94

AUTHORIZED BY: _____ TITLE: _____

OFFICE: _____ DATE: _____

ORIGINAL INVOICE #: _____ DATE PAID: _____ AMOUNT: \$ _____

REFUND ENTERED INTO COLLECT BY: _____

REFUND DETERMINED BY: _____ DATE: _____

PLEASE ATTACH APPROPRIATE SUPPORTING DOCUMENTATION.

* AN ADDRESS MUST BE PROVIDED FOR VENDORS NOT FOUND ON THE VEND TABLE.

July 13 I (93)

(#118217) → PD AMD FEE \$460

(#118327) → DUPL REQ DTD 6/1/93 \$460